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Amdt. dated June 30, 2008
Reply to Office Action of March 18, 2008

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Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims

1. (previously presented) A manufacturing process for a microwave corrugated-horn antenna using waveguide technology, in the process comprising the steps of: forming the corrugations of the horn on an external surface of a block of synthetic foam by deformation of said external surface and metallizing the external surface of the conformed block of foam in order to form the antenna.
2. (previously presented) The process as claimed in claim 1, wherein the corrugations of the horn are formed by hot pressing of the block of foam in a mold.
3. (previously presented) The process as claimed in claim 1, wherein the metallization of the external surface of the block of foam is carried out by a method such as projection, using a brush, or dipping.
4. (previously presented) The process as claimed in claim 1, comprising also the step of forming by thermoforming two radial slots in a first cylindrical section of the block of foam extending the horn and metallizing the surface of said section of the block of foam in order to form a waveguide polarizer.
5. (previously presented) The process as claimed in claim 1, comprising the step of forming by thermoforming a circular groove in a second section of the block of foam extending the horn and metallizing the surface of said second section of the block of foam in order to form an impedance adapter.
- 6 - 8 (cancelled)